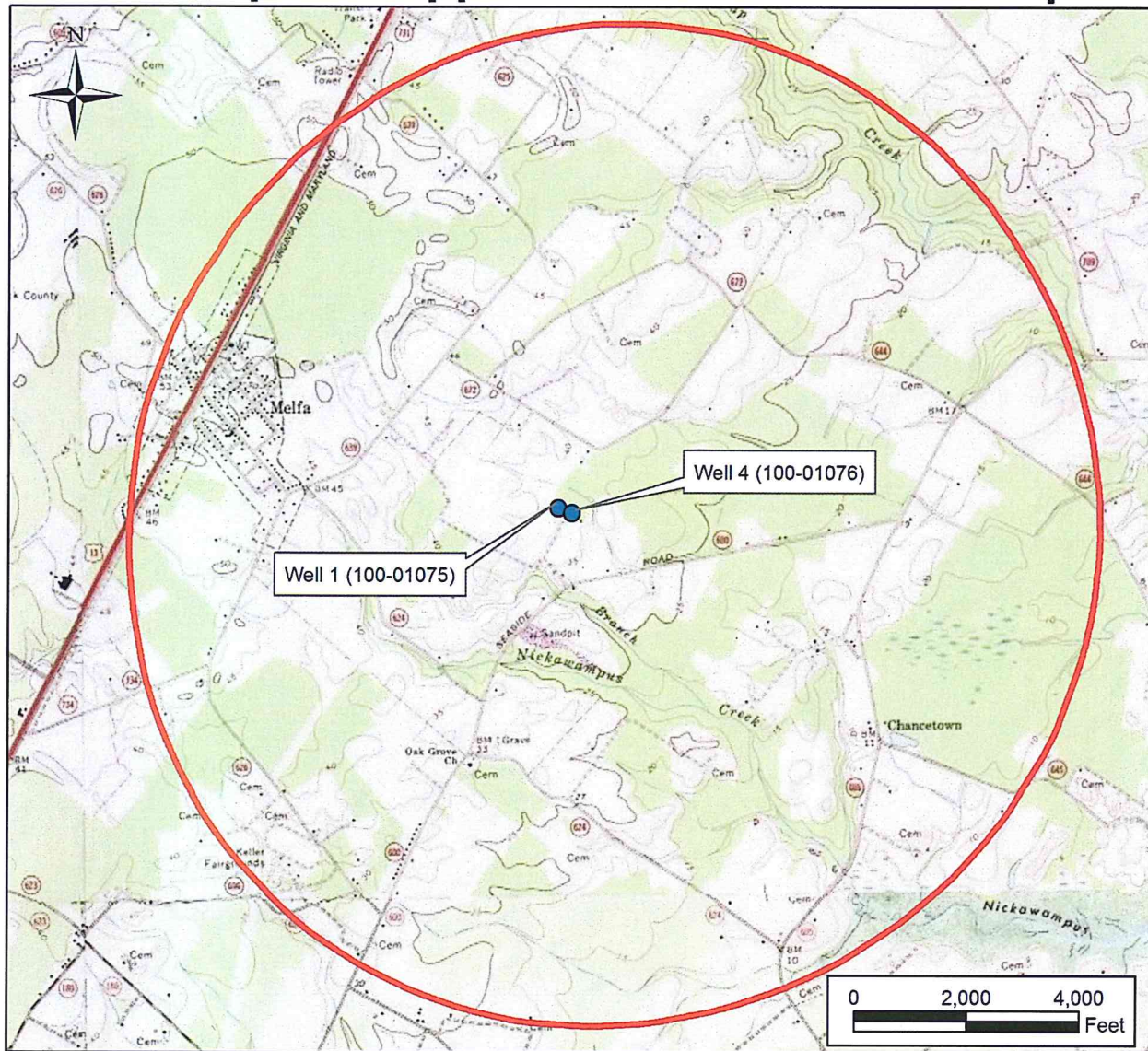


# Melfa Farms

## Area of Impact - Upper Yorktown-Eastover Aquifer



 Upper Yorktown-Eastover Aquifer Area of Impact

Simulated drawdown at or exceeding one foot in the Upper Yorktown-Eastover aquifer resulting from a 10 year lump sum of 550,000,000 gallons simulated for 8 years at 62,700,000 gallons per year followed by 2.4 months at 20,200,000 gallons per month from the Upper Yorktown-Eastover aquifer. Maximum radius of one-foot drawdown (Area of Impact) occurs 1.8 miles from the Melfa Farm pumping center.

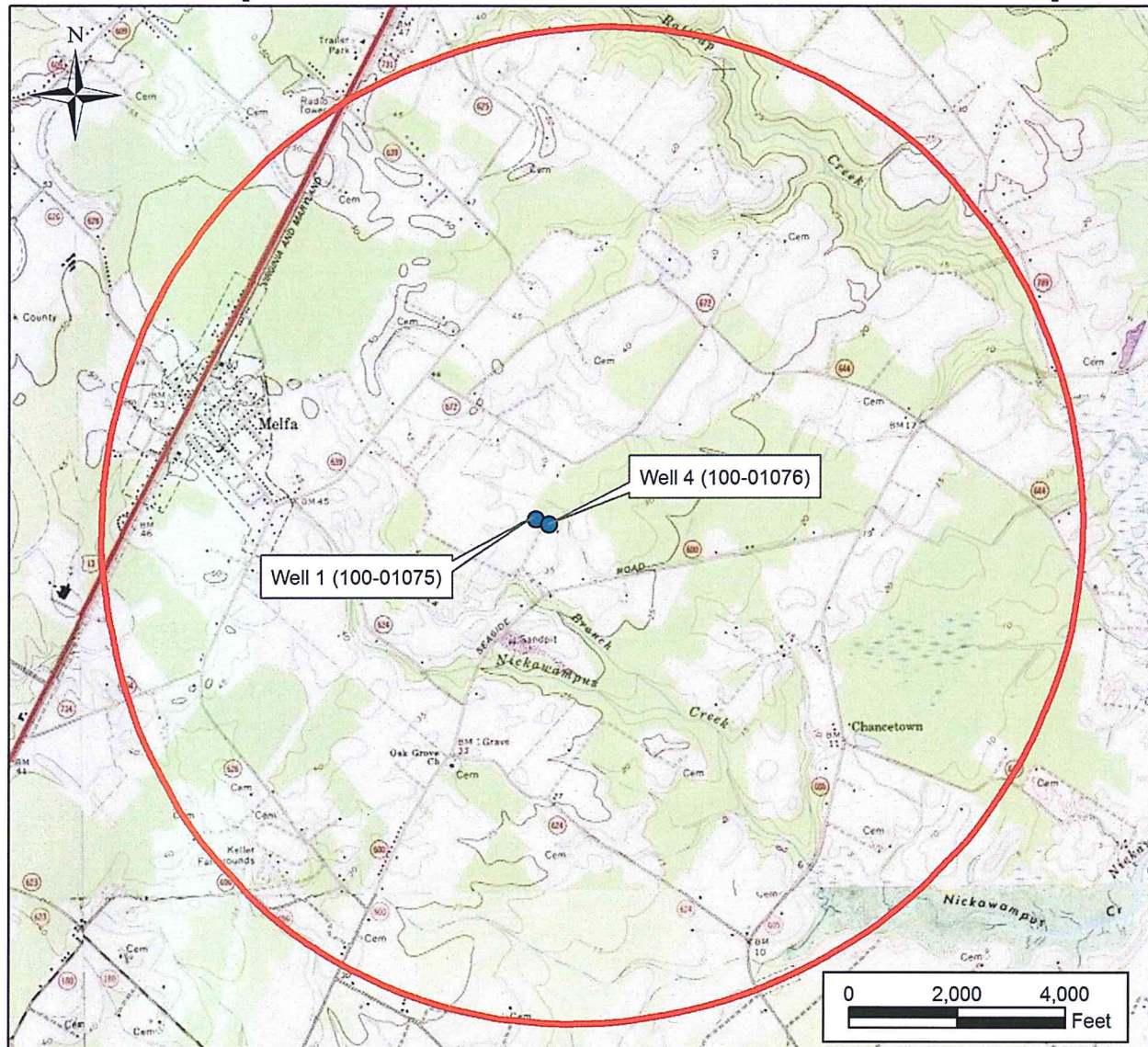
Technical Evaluation performed by Aquaveo, LLC for the Virginia DEQ, Office of Surface and Ground Water Supply Planning August 27, 2012





# Melfa Farms

## Area of Impact - Middle Yorktown-Eastover Aquifer



 Middle Yorktown-Eastover Aquifer Area of Impact

Simulated drawdown at or exceeding one foot in the Middle Yorktown-Eastover aquifer resulting from a 10 year lump sum of 550,000,000 gallons simulated for 8 years at 62,700,000 gallons per year followed by 2.4 months at 20,200,000 gallons per month from the Upper Yorktown-Eastover aquifer. Maximum radius of one-foot drawdown (Area of Impact) occurs 1.9 miles from the Melfa Farm pumping center.

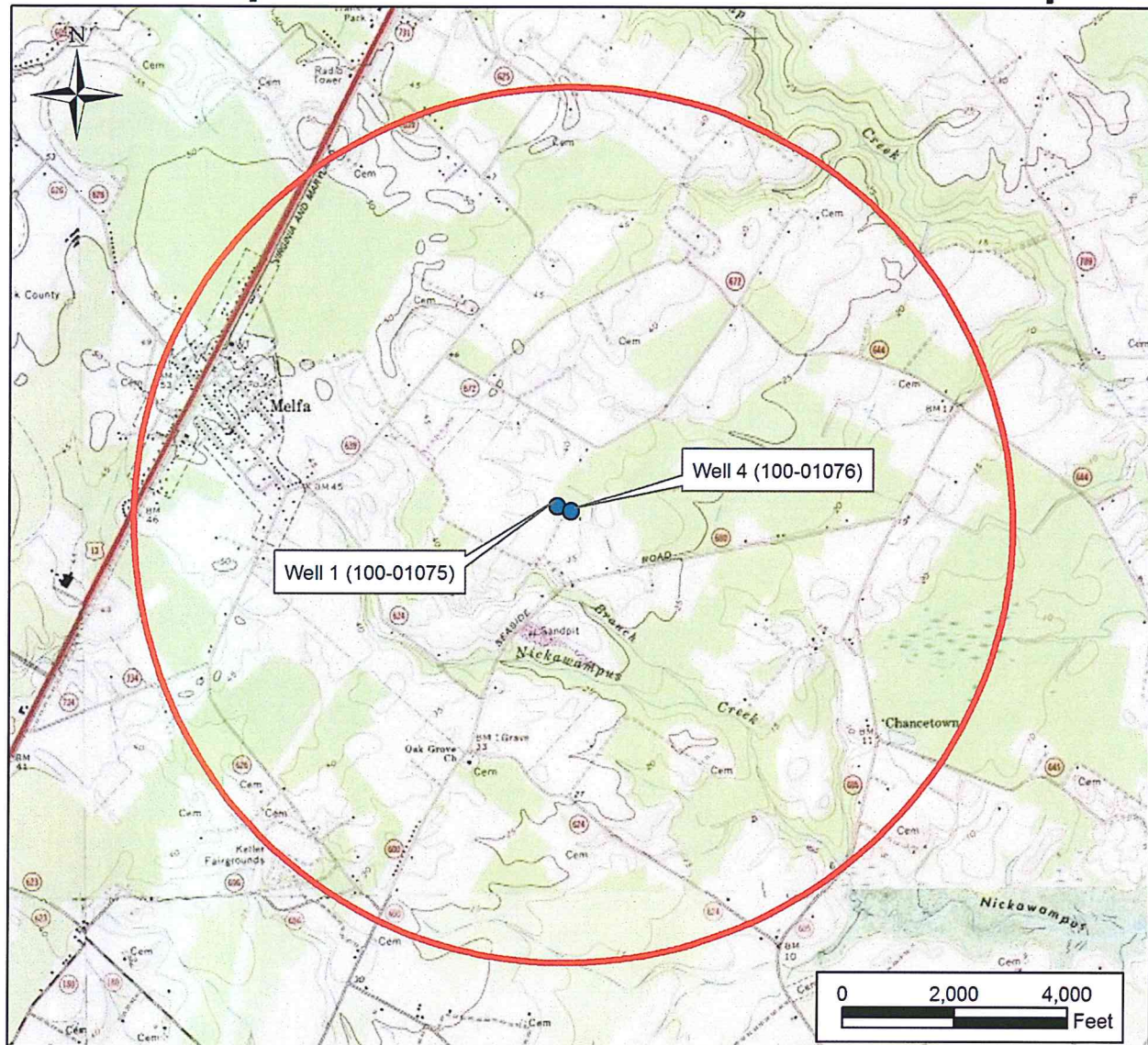
Technical Evaluation performed by Aquaveo, LLC for the Virginia DEQ, Office of Surface and Ground Water Supply Planning August 27, 2012





# Melfa Farms

## Area of Impact - Lower Yorktown-Eastover Aquifer



 Lower Yorktown-Eastover Aquifer Area of Impact

Simulated drawdown at or exceeding one foot in the Lower Yorktown-Eastover aquifer resulting from a 10 year lump sum of 550,000,000 gallons simulated for 8 years at 62,700,000 gallons per year followed by 2.4 months at 20,200,000 gallons per month from the Upper Yorktown-Eastover aquifer. Maximum radius of one-foot drawdown (Area of Impact) occurs 1.5 miles from the Melfa Farm pumping center.

Technical Evaluation performed by Aquaveo, LLC for the Virginia DEQ, Office of Surface and Ground Water Supply Planning August 27, 2012

